IN THE CLAIMS

1. (Currently Amended) A data processing system for data received by a broadcast data receiver~~;~~ ~~said receiver~~ said system comprising:

a broadcast data receiver provided for receiving multiple transport streams of digital data which are transmitted from a remote location and may be from different sources, said digital data in each transport stream including ~~comprising:~~ a series of packets of data ~~and~~ provided with associated codes to indicate the type of data i.e. video, audio and/or auxiliary data,

said receiver provided with means which allow the selection and combination of packets of data from ~~the~~ said multiple transport streams of data when multiplexed into a single stream of data in response to control commands~~;~~ ;

said selected packets of data combined ~~to form a~~ from the single stream of data and said single stream of data further processed to generate video and/or audio and/or auxiliary data therefrom~~;~~; and

each multiple transport stream of data including a transport packet of packet identification codes for each of the packets of data in the stream and wherein a transport stream identification code is added to each of the packets of said received streams of digital data such that said transport stream identification code for each packet allows identification and differentiation of each of the packets, the specific stream of data from which they originate and selection of the appropriate data packets from the said single stream of data received by the receiver. ~~stream identifying and differentiating each of the streams of data received by the receiver~~.

2. (Previously Presented) A data processing system according to claim 1 wherein the

identification code is located with the transport packet of data which includes a series of identification codes which contain and provide information relating to the packets of data in that stream of data.

3. (Previously Presented) A data processing system according to claim 2 wherein the identification code identifies the transport packet of the data stream

4. (Previously Presented) A data processing system according to claim 1 wherein the identification codes are generated by re-using existing, superfluous data bits within the existing transport packet syntax said bits replaced by the identification code or codes which identify the streams of data being received.

5. (Canceled)

6. (Previously Presented) A data processing system according to claim 1 wherein the identification codes for the multiple data streams are stored in a memory device and reference to said memory by the receiver allows the identification of each of the data streams with reference to the identification codes accompanying the transmitted data streams.

7. (Currently Amended) A method for the generation of a single stream of data for subsequent processing, from multiple transport streams of data, said method comprising the steps of:

receiving a number of transport streams of data; ~~, and~~

selecting packets of data in accordance with user and/or receiver selection criteria; ~~and~~

multiplexing said selected packets of data into a single stream of data; ~~and~~

~~wherein~~ allocating a transport stream identification code ~~is allocated~~ to each of the received transport streams of data; ~~and~~

allocating a packet identification code to each packet of data;

~~when the selection of a data packet is required,~~ controlling the selection ~~is controlled~~ with reference to the appropriate transport stream identification code for the particular transport stream of data in which the data packet to be selected is located when the selection of a data packet is required; ~~and~~

selecting the required data packet once the appropriate transport stream is identified, ~~the required data packet is selected~~ therefrom with reference to a match between the packet identification codes for that transport stream of data and the packet identification code allocated to each of the packets; and

repeating the steps ~~are repeated~~ for each of the data packets ~~which are~~ required to form the single stream of data. ~~, said packets of data possibly being located in any of the received transport streams of data.~~

8. (Previously Presented) A method according to claim 7 wherein the particular data packet is selected from the selected transport stream of data with reference to the packet identification code.

9. (Previously Presented) A method according to claim 7 wherein the selection of the data packet can only be made from the transport stream of data identified by the transport stream identification.